

## 1064nm Free Space Optical Isolator

### FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks



### SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage
Center Wavelength ( $\lambda_c$ )	nm	1064	
Bandwidth	nm	+/-10	
Peak Isolation (Typ.)	dB	38	55
Isolation ( $\lambda_c$ , 23°C)	dB	≥30	≥45
Typ. Insertion Loss ( $\lambda_c$ , 23°C)	dB	1.5	2.4
Max. Insertion Loss ( $\lambda_c$ , 23°C)	dB	1.8	3.0
Clear Aperture	mm	0.8, 1, 3	
Maximum Optical Power (CW)	mW	300, 500, 1000	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	mm	Φ3.0xL3.9, Φ17xL23	

**Note:** 1. Devices for higher optical power and pulse power are also available.

2. Other package dimensions and clear aperture are also available on request.

### ORDERING INFORMATION (PN)

<b>FISF-</b>	<b>NNNN</b>	-	<b>C</b>		<b>(NN)</b>	-	<b>NNxNN</b>		<b>(-HP NN)</b>
	<i>Center Wavelength</i>		<i>Stage</i>		<i>Clear Aperture</i>		<i>Dimension</i>		<i>Optical Power</i>
	1064=1064nm		S= Single Stage D= Dual Stage		10= 1mm 30= 3mm <i>Blank</i> for 0.8mm		30x39=Φ3.0x3.9mm 170x230=Φ17x23mm		05= 300mW 1= 1W <i>Blank</i> for 300mW